Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 230

LORNA LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay

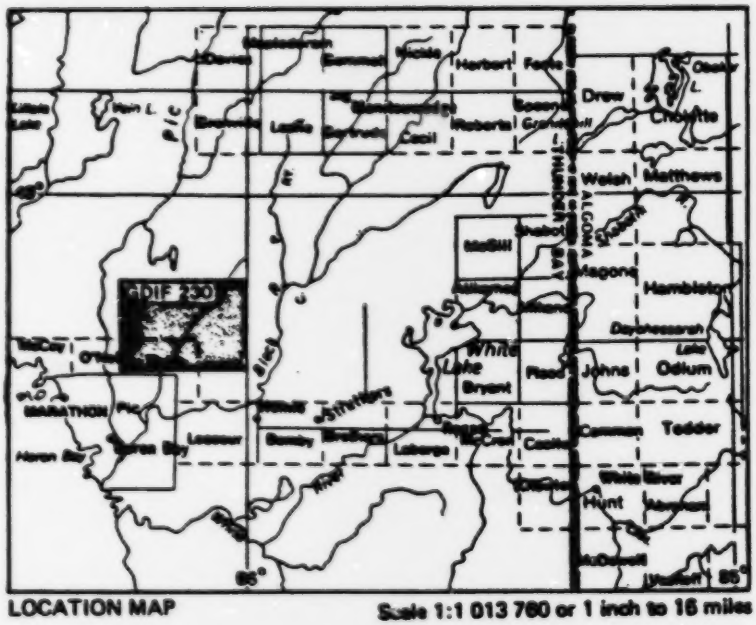

GDIF 230
Drew
Welsh
Matthews
Magong
Hambleton
Odium
Tedder
Hunt
White Lake
Bryant
Cecil
Roberts
Leslie
Herbert
Nicole
Barnum
Davies
Hele
Lake
Lake
Lake

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 4
Drill Hole Summary 6
Airborne Geophysical Survey Data 8
Geochemical Survey Data 9
Miscellaneous Data 10
Newspaper Clipping File 11
ODM General Index Search 12
Selected References 14
Notes and Addenda 18

ACCOMPANYING MAPS

Property Location Map - 1

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

NTS Number 42 D 16/SE

Mining Claim Map Number Lorna Lake Area G-598

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Lorna Lake Area, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 230, compiled by the staff of the Resident Geologist's Office, Thunder Bay, 18p. and 2 maps.

Original Compilation by: T. Twomey

Date	Page Revised	Revised by

Date	Page Revised	Revised by

LORNA LAKE AREA

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	T. JAN./85
2	Assessment Files Research Office, Toronto	YES	T. JAN./85
3	ODM General Index; 7 volumes	YES	T. JAN./85
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	T. JAN./85
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	T. JAN./85
6	ODM Industrial Mineral Reports	NO	T. JAN./85
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	T. JAN./85
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	T. JAN./85
9	Newspaper Clippings File	YES	T. JAN./85
10	GSC Index to Publications	YES	T. JAN./85
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	T. JAN./85
12	OGS Index Maps	YES	T. JAN./85
13	Source Mineral Deposit Records (O.G.S.)		
14	Author - Subject Articles File	YES	T. JAN./85
15	Miscellaneous Papers: ODM & OGS	YES	T. JAN./85
16	ODM Geological Circulars: OGS Study Series	NO	T. JAN./85
17	ODM Preliminary Reports: ODM Bulletins	YES	T. JAN./85
18	ODM – OGS Open File Reports	YES	T. JAN./85
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	T. JAN./85
20	OGS Aggregate Resources Inventory Papers	NO	T. JAN./85
21	OGS Mineral Potential Maps	YES	T. JAN./85

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . Anhydrite
- Δ ank. . . . . Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . Arsenic
- Δ asp . . . . . Arsenopyrite
- Δ asb . . . . . Asbestos
- Δ ba. . . . . Barite
- Δ be. . . . . Beryl
- Δ Bi. . . . . Bismuth
- Δ bn . . . . . Bornite
- Δ bran . . . . . Brannerite
- Δ bruc . . . . . Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . Carbonate
- Δ cel . . . . . Celestite
- Δ cc. . . . . Chalcocite
- Δ cp. . . . . Chalcopyrite
- Δ ch. . . . . Chert
- Δ clay . . . . . Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . Columbite
- Δ Cu . . . . . Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . Feldspar
- Δ fl . . . . . Fluorite (flurospar)
- Δ fu. . . . . Fuchsite
- Δ gn. . . . . Galena
- Δ gt . . . . . Garnet
- Δ goe . . . . . Goethite
- Δ Au . . . . . Gold
- Δ gf . . . . . Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . Peat
- Δ pent . . . . . Pentlandite
- Δ Pt. . . . . Platinum
- Δ py . . . . . Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . Pyrolusite
- Δ po . . . . . Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . . Quartz carbonate vein
- Δ ra. . . . . Radioactive minerals
- Δ RE . . . . . Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . Silica
- Δ Ag . . . . . Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . Sphalerite
- Δ spd . . . . . Spodumene
- Δ staur . . . . . Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . Stone
- Δ talc. . . . . Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . Thorite
- Δ Th . . . . . Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . Tourmaline
- Δ trap . . . . . Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . Uranium
- Δ verm . . . . . Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . Zinc
- Δ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			

GDIF FORM NO. 1

LORNA LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Canadian Johns-Manville Co. F.N.: 63.391	53										53								
2	Hansen, J. (Golden Rule-Lacana Mining) F.N.: 2.6897								83	83										
3	Hemlar Resources Exploration Limited[1] F.N.: 2.7176												84							
4	Homestake Mineral Development Company[2] (Captain Consolidated -Koala Resources) F.N.: 2.7236														84		84			
5	Ican Resources Limited F.N.: 2.6366								83	83										
6	Kerr Addison Mines Limited[3] (Kuhner Option)				71[3]															
7	Lavoie, R. (Lough/Hibbard Group) F.N.: 2.7359	84																		

GDIF FORM NO. 2

LORNA LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
8	Murphy, D. (Pelangio Larder Mines) F.N.: 2.6060	83										83								
9	Pennant Resources Limited F.N.: 2.7096								84	84										
10	Pezim, M. (Celeste Resources Incorporated) F.N.: 2.6007								83	83										
11	Scott, J. (Dore Explorations Incorporated)											83								
12	Seeley Mining Corporation[1] F.N.: 63.1755							65				65	65							
13	Shell Canada Limited[1] F.N.: 2.2011								75											
14	St. Pierre, D.[1] (Lough/Hibbard Group) F.N.: 2.6602												84							
15	Whymark, W. (Regulus Resources Limited) F.N.: 2.6155								83	83										

NOTES: 1. Filed 42 D/16SW; 2. Filed 42 D/9NE; 3. Holes located on 42 D/16SW - Seeley Lake Sheet.

GDIF FORM NO. 2

LORNA LAKE AREA

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
2	Digem Limited Hansen, J. (Golden Rule)	Electromagnetic, VLF-E.M., magnetic, and resistivity.	36-51 metres	North/South	200 metres
5	Digem Limited Ican Resources Limited	Electromagnetic, VLF-E.M., magnetic, and resistivity.	36-51 metres	North/South	200 metres
9	Aerodat Limited Pennant Resources Limited	Electromagnetic, VLF-E.M., magnetic.	60 metres	North/South	100 metres
10	Aerodat Limited Celeste Resources Limited	Electromagnetic, VLF-E.M., magnetic.	60 metres	North/South	100 metres
13	Aerodat Limited Shell Canada Limited	Magnetic.	60 metres	East/West	100 metres
15	Aerodat Limited Whymark, W. (Regulus Resources Limited)	Electromagnetic, VLF-E.M., magnetic.	60 metres	North/South	100 metres

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Captain Consolidated Resources

Dore Exploration Incorporated

Golden Rule Resources

Homestake Mineral Development Company

Ican Resources

Kerr Addison Mines Limited

Lacana Mining Corporation

Pelangio Larder Mines

Pennant Resources Limited

Pezim, M.

Shell Canada Limited

ODM GENERAL INDEX SEARCH

Words searched: Cotte Township (Township #75), Gowan Lake, Kerr-Addison Occurrence, Seeley Mining Corporation, Swede Creek

Index Volume	Listing:	Report Volume	Part	Page
2	Kerr-Addison Properties, Limited			
	Operating Kerr-Addison townsite	48.	1	133
8	Cotte Township, Thunder Bay District			
	see Township 75, Thunder Bay District			
	Gowan Lake			
	Black River area, Thunder Bay District	GR072		30
	Gowan Lake Pluton			
	Analyses, modal			
	Black River area, Thunder Bay District	GR072		27
	Petrography			
	Black River area, Thunder Bay District	GR072		31, 33-34
	Swede Lake			
	Black River area, Thunder Bay District	GR072		52
	Swede Lake Fault			
	Black River area, Thunder Bay District	GR072		42
	Township 75, Thunder Bay District			
	Geology of the Cirrus-Bamoos Lake area	GR043		

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

LORNA LAKE AREA

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West Central Sheet.	ODMNA Map 2199	1 inch to 16 miles
Milne, V. G., et al.	1972	Manitouwadge-Wawa Sheet, Algoma, Cochrane, Sudbury and Thunder Bay Districts, Ontario. Associated map P-494.	ODM Map 2220	1 inch to 4 miles
		GEOLOGICAL MAPS AND REPORTS		
Amuken, S. E.	1981	Geology of the Klob Lake Area, NTS 42 C 12/NW and 13/SW, 42 D 9/NE and 16/SE, Thunder Bay District, Ontario.	OGS - OFR 5343	
Coleman, A. P.	1899	Copper Regions of the Upper Lakes, Ontario. Accompanied by map 8b.	OBM AR 8, Pt. 2	pp. 121-174
Collins, W. H.	1909	Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario.	GSC Separate Report 1081	
Milne, V. G.	1966	Cirrus Lake-Bamoos Lake Area, District of Thunder Bay, Ontario. Accompanied by maps 2098, 2099. Associated maps P-232, P-233, P-234, P-235.	ODM GR 43	
Milne, V. G.	1968	Geology of the Black River Area, District of Thunder Bay, Ontario. Accompanied by maps 2143, 2144, 2145, 2146, 2147. Associated maps P-332 to P-335.	ODM GR 72	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Muir, T. L.	1982	Geology of the Heron Bay Area, District of Thunder Bay, Ontario. Accompanied by map 2439.	OGS - OFR 218	
Thomson, J. E.	1931	Geology of the Heron Bay Area, Thunder Bay District, Ontario. Accompanied by map 40b.	ODM AR 40, Pt. 2	pp. 21-39
Thomson, J. E.	1933	Geology of the Heron Bay-White Lake Area, Thunder Bay District, Ontario. Accompanied by map 41J.	ODM AR 41, Pt. 6	pp. 34-47
Wilson, W. J.	1909	Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario. Accompanied by map 964.	GSC Separate Paper 980	
		GEOPHYSICAL MAPS AND REPORTS		
GSC	1981	Magnetic Anomaly Map, Western Ontario.	GSC Map 1564A	1:1 000 000
ODM - GSC	1963	Aeromagnetic Map, Goodchild Creek (42 D/16).	GSC Map 2157G	1 inch to 1 mile
ODM - GSC	1965	Aeromagnetic Map, Schreiber (42 D).	GSC Map 7088G	1 inch to 4 miles
ODM - GSC	1970	Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario, Aeromagnetic Compilation Map.	ODM Map P-578	
		GEOCHEMICAL MAPS AND REPORTS		
Clews, D. R., Lett, R. E.	1980	Subtrace Airborne Geochemical Survey Results, Marshall Lake, NTS 42 L 5/NE, Marathon, NTS 42 D/16, Thunder Bay District, Ontario. Associated report OGS, Study 25.	OGS - OFR 5315	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
GSC	1982	National Geochemical Reconnaissance coloured Compilation Map Series.	GSC - OFR 746	
OGS - GSC	1978	Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District, Ontario. Accompanied by maps P-1805 to P-1818.	OGS - OFR 5248	
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineral Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario.	OGS Map P-1520	1:250 000
Springer, J. S., et al.	1982	Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE.	OGS - OFR 5326	
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Gartner, J. F., McQuay, D. F.	1979	Heron Bay Area, NTS 42 D/NE, Thunder Bay District, Ontario: Northern Ontario Engineering Geology Terrain Study. Accompanied by 5093.	OGS NOEGTS #60	
Zoltai, S. C.	1965	Thunder Bay Surficial Geology, NTS 42 D, E, L, 52 A, H, I, Ontario.	ODLF Map S2-65	1 inch to 8 miles
Zoltai, S. C.	1967	Glacial Features of the North Central Lake Superior Region, Ontario.	Canadian Journal of Earth Sciences, Vol. 4, No. 2	pp. 515-528

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

86° 15'

48° 52' 30"

Beggs

Goodchild Lake

Talus L.

Cr.

Teddybear Lake

Runnalls L.

Creek

Fallen Lake

Abe Fallen

Cr.

Goodchild

Wire L.

Wire

Veronica Lake

Swede

13

7,14

13

12

6

8

3

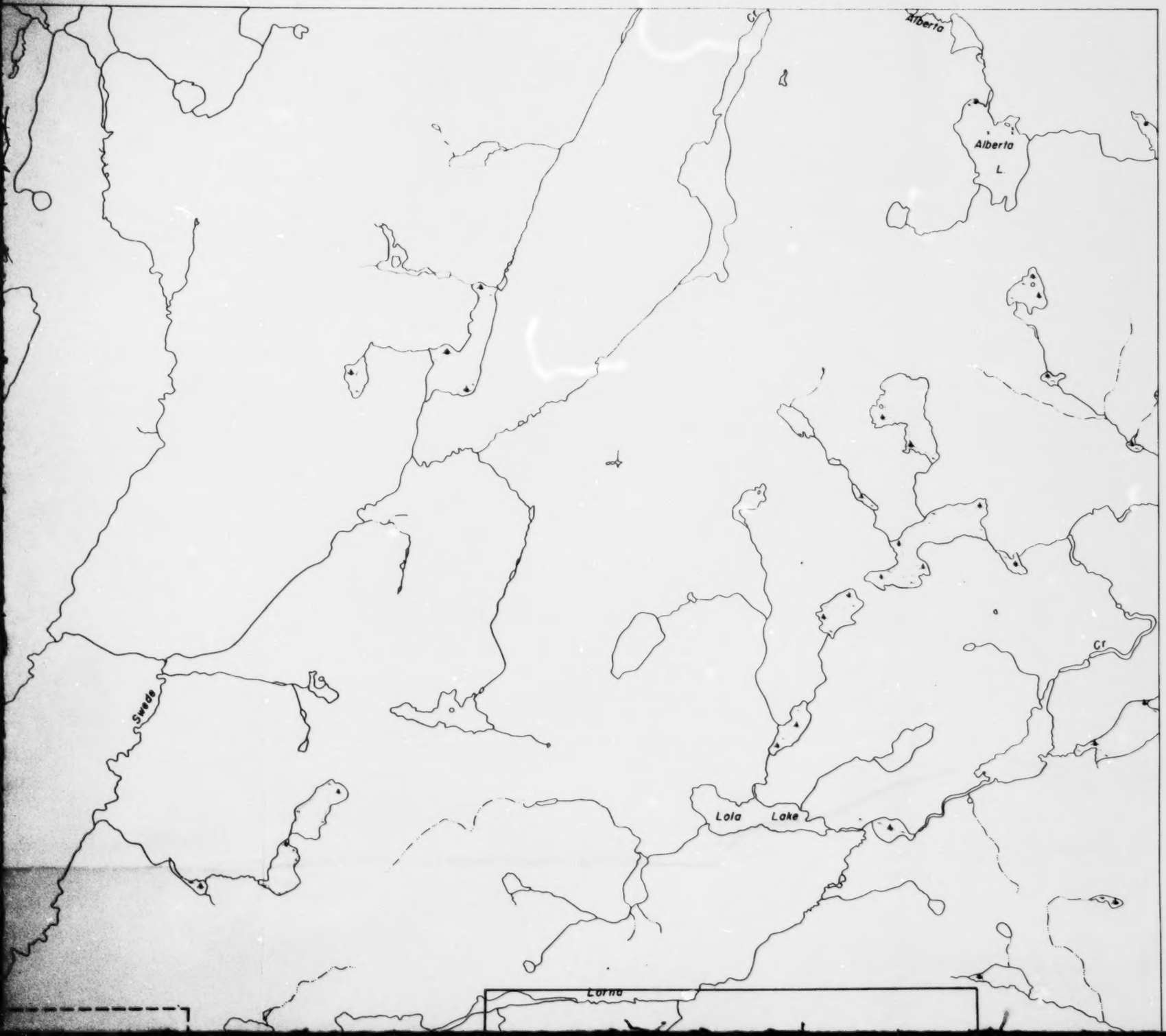
13

9

9

86° 00'

48° 52' 30"



Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 230

(Map **1** of **2**)

LORNA LAKE AREA

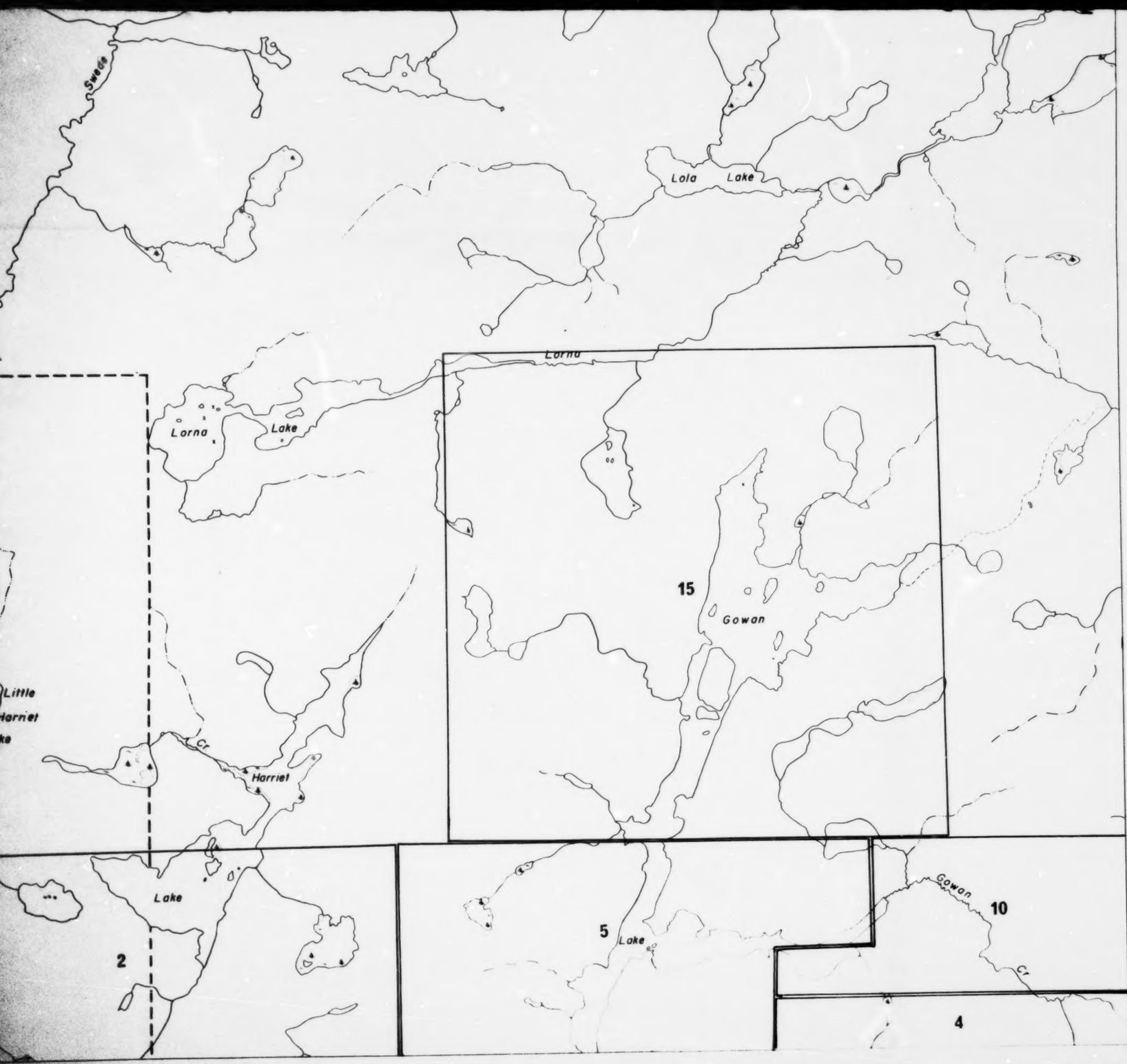
DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

6
8
3
13
9
9
13
11
13
1
13
2
Wire L.
Veronica Lake
Wire Cr.
Swede
Lorna Lake
Cr.
O'NEILL TWP.
COTTE TWP.
Peacock L.
Peacock
Sprucetop Lake
Spruce Cr.
Swede
Harriet
Little Harriet Lake
Cr.
Harriet
Lake
48° 45'
86° 15'



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ Geochemical sample site, with reference number
- ☐ ◆³ Area of geochemical sampling, with reference number
- ☐ ✳² Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ■ AM Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA Airborne Radiometric Anomaly
- ■ M Ground Magnetometer Anomaly
- ■ VL Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA Ground Radiometric Anomaly
- ☐ IP Induced Polarization Anomaly
- ☐ SP Self Potential Anomaly
- ☐ AFMAG Audio-frequency magnetometer anomaly (total intensity)
- ☐ R Resistivity Anomaly

86° 15'

48° 52' 30"

Beggs
Goodchild Lake
Talus L.
Cr.
Teddybear Lake
Runnalls L.
VLF
Creek
Fallen Lake
Abe
Fallen
Goodchild
Cr.
Wire L.
Veronica Lake
HM
VLF
VLF
AEM
AEM
Wire

Goodchild Lake

Talus L.

Cr

Teddybear Lake

Runnalls L.

Fallen Lake

Alberta

Alberta L.

Cr

Wire L.

Veronica Lake

Swede

Lola Lake

Cr

Lorna

86° 00'

48° 52' 30"

Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 230

(Map 2 of 2)

LORNA LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

- ☐ Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☐ IP — Induced Polarization Anomaly
- ☐ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electromagnetic Anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Veronica Lake

Swede

Lola Lake

Lorna

Lake

AM

AEM

Gowan

Little Harriet Lake

Harriet

Cr

Lola Lake

Lorna

AM

Lorna Lake

AEM

AEM

Gowan

AEM

AM

AEM

AEM

AEM

Gowan Cr.

Harriet Cr.

AM

Lake

AM

Lake

48° 45'

86° 00'

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ☐ Au ◪ A. 94' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ⚠ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp ▬ A. — Mineralized Float with reference letter

DRILL HOLES

- ☐ ●² — Location of single drill hole, with reference number
- ☐ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ ◎ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number